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	L11	(on?line near2 calcula\$) and browser	18
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File: PGPB

Aug 12, 2004

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PGPUB-DOCUMENT-NUMBER: 20040157203

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040157203 A1

TITLE: Equation editor

PUBLICATION-DATE: August 12, 2004

INVENTOR-INFORMATION:

NAME CITY

Middleton

STATE

COUNTRY

RULE-47

Dunk, Michael

WI

US

Crist, Mary

Marathon

FL

US

US-CL-CURRENT: 434/350

ABSTRACT:

An on-line teaching and learning system with rapid change-by-change or real time reinforcement signals for students and simultaneous monitoring by the teacher of the actual responses as well as their correctness is disclosed. The system may include at least one teacher computer, a plurality of student computers operably connected to the at least one teacher computer by a communications network. The system may be used in a classroom setting or in a distance-learning environment.

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Web content accessibility guidelines 1.0 Wendy Chisholm, Gregg Vanderheiden, Ian Jacobs July 2001 interactions, Volume 8 Issue 4

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KB)

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Tracing the roots of markup languages

Rishi Toshniwal, Dharma P. Agrawal

May 2004 Communications of the ACM, Volume 47 Issue 5

Full text available: pdf(191.70 KB) html(17.95 KB)

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Markup languages provide efficient ways of storing information on the Web and make the retrieval process easier. Indeed, its simplicity and added intelligence to the document makes it useful for messaging between clients and server.

3 Web application design: Building adaptable and reusable XML applications with model transformations



Ivan Kurtev, Klaas van den Berg

May 2005 Proceedings of the 14th international conference on World Wide Web

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We present an approach in which the semantics of an XML language is defined by means of a transformation from an XML document model (an XML schema) to an application specific model. The application specific model implements the intended behavior of documents written in the language. A transformation is specified in a model transformation language used in the Model Driven Architecture (MDA) approach for software development. Our approach provides a better separation of three concerns found in XML ...

Keywords: MDA, XML, XML processing, model transformations, transformation language

XML to be, VRML to see

B. Arun, A. D. Ganguly

November 1999 Crossroads, Volume 6 Issue 2

Full text available: html(23.18 KB) Additional Information; full citation, index terms

5 SIGda '96, workshop: how do we expedite the commercial use of Ada? Robert C. Leif March 1999 ACM SIGAda Ada Letters, Volume XIX Issue 1 Full text available: pdf(858.93 KB) Additional Information: full citation, citings, index terms XML: the future of the Web John B. Bedunah November 1999 Crossroads, Volume 6 Issue 2 · Full text available: html(36.32 KB) Additional Information: full citation, index terms Object-Z web environment and projections to UML Jing Sun, Jin Song Dong, Jing Liu, Hai Wang April 2001 Proceedings of the 10th international conference on World Wide Web Full text available: 🔁 pdf(267.78 KB) Additional Information: full citation, references, citings, index terms **Keywords**: UML, XML/XSL/XMI, object-Z Extracting mathematical expressions from postscript documents Michael Yang, Richard Fateman July 2004 Proceedings of the 2004 international symposium on Symbolic and algebraic computation Full text available: pdf(137.43 KB) Additional Information: full citation, abstract, references, index terms Full-text indexing of documents containing mathematics cannot be considered a complete success unless the mathematics symbolism is extracted and represented in a standardized form permitting both searching for formulas, and re-use of this information in (for example) computer algebra systems. Most documents produced in the past and subsequently digitally encoded, and even most of those potentially "born digital" in current journal production are---at best---encoded in a printer form such as Adob ... Keywords: digital library, document image analysis, mathematics, optical character recognition, postscript documents

Software components using symbolic computation for problem solving environments Y. N. Lakshman, Bruce Char, Jeremy Johnson

August 1998 Proceedings of the 1998 international symposium on Symbolic and algebraic computation

Full text available: pdf(319.23 KB) Additional Information: full citation, references, citings, index terms

10 ESF: an automatically generated encyclopedia of special functions Ludovic Meunier, Bruno Salvy

August 2003 Proceedings of the 2003 international symposium on Symbolic and algebraic computation

Full text available: pdf(274.46 KB)

Additional Information: full citation, abstract, references, citings, index terms

We present our on-going work on the automatic generation of an encyclopedia of special functions on the web, called *The Encyclopedia of Special Functions* (ESF) footnoteurlhttp://algo.inria.fr/esf. All mathematical formulæ in the ESF are computed, typeset and displayed without any human intervention. This is achieved by exploiting a

collection of computer algebra algorithms in a systematic way, on top of a specially designed data structure for a class of special functions.

Keywords: D-finite functions, special functions

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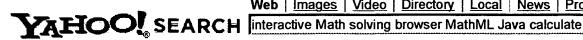
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